

ABSTRACT

A new and distinct variety of plum is transgenic and is characterized by the presence of the plum pox virus coat protein gene and genes for kanamycin resistance (NPTII) and β -glucuronidase (GUS). The plum pox virus coat protein transgene imparts a high level of resistance to plum pox virus. In field tests, 'C5' has been shown to be immune to transmission of plum pox virus by the natural aphid vectors present at the field test site. When 'C5' is bud-graft inoculated with plum pox virus, it supports only a very low level of virus and is symptomless or shows only transient, very mild symptoms. Fruit of 'C5' is large and sweet, firm and attractive. The tree is productive vigorous, with an upright growth habit.